



July 20, 2016

Mr. Bryce Bird, Director
Utah Department of Environmental Quality
Division of Air Quality
195 North 1950 West
P.O. Box 144820
Salt Lake City, UT 84114-4820

And

Director, USEPA Region VIII
8 ENF-AT
1595 Wynkoop St.
Denver, CO 80202 – 1129

RE: **Semiannual Compliance Report 40 CFR 63 SubPart UUUUU,
Huntington Power Plant (Title V Permit #1501001004)**


Dear Mr. Bird:

Huntington Power Plant's Title V Permit Conditions II.B.2.g.3 and II.B.3.f.3 requires the Huntington Plant submit Compliance Reports according to the requirements of 40 CFR §63.10031(b). This submittal covers the period from January 1, 2016 to June 30, 2016 and is intended to satisfy those requirements.

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information, or omitting statements and information, including the possibility of fine or imprisonment.

Should you have any questions regarding this information, please contact Richard Neilson, Huntington Power Plant Environmental Engineer at (435) 687-4334 or me at (435) 687-4211.

Sincerely,


Darrell Cunningham
Managing Director Huntington Plant
Responsible Official

Enclosures: Mercury and Air Toxics Semiannual Compliance Report with attachments A thru D – Unit 1
Mercury and Air Toxics Semiannual Compliance Report with attachments A thru D – Unit 2

Mercury and Air Toxics Semi-Annual Compliance Report
Huntington Power Plant Unit 1
Reporting Period January 1, 2016 to June 30, 2016

§63.100031(c)

The compliance report must contain the information required in paragraphs (c)(1) through (5) of this section.

§63.10031(c)(1)

The information required by the summary report located in 63.10(e)(3)(vi).

- I. See Attachment A Summary Report—Gaseous Excess Emission and Continuous Monitoring System Performance

§63.10031(c)(2)

The total fuel use by each affected source subject to an emission limit, for each calendar month within the semiannual reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by EPA or your basis for concluding that the fuel is not a waste, and the total fuel usage amount with units of measure.

Month	#2 Fuel Oil Burned (gallons)	Bituminous Coal Burned (tons)
January 2016	1,123	117,051.0
February	15,265	90,766.8
March	0	4,187.2
April	30,644	15,496.9
May	16,195	73,198.7
June	0	104,087.9
Total	63,226	404,788.5

Note: Fuel Oil burned is a product of refineries and the coal burned is a product of coal mines therefore all fuel burned was not a waste product.

§63.10031(c)(3)

Indicate whether you burned new types of fuel during the reporting period. If you did burn new types of fuel you must include the date of the performance test where that fuel was in use.

- I. No new types of fuel were burned during the reporting period.

§63.10031(c)(4)

Include the date of the most recent tune-up for each EGU. The date of the tune-up is the date the tune-up provisions specified in § 63.10021(e)(6) and (7) were completed.

- I. The most recent boiler tune up was completed on June 1, 2016, with the burner inspection occurring as part of the tune up.

§63.10031(c)(5)

Should you choose to rely on paragraph (2) of the definition of “startup” in §63.10042 for your EGU, for each instance of startup or shutdown you shall:

- I. The Unit relies on paragraph (1) of the definition of “startup.” This requirement was clarified in the April 6, 2016, MATS Technical revisions regulation. The information required in §63.10031(c)(5)(i) thru §63.10031(c)(5)(v) is provided for Startups and shutdowns that occurred prior to April 6, 2016.

§63.10031(c)(5)(i)

Include the maximum clean fuel storage capacity and the maximum hourly heat input that can be provided for each clean fuel determined according to the requirements of § 63.10032(f).

- I. The clean fuel storage capacity and maximum hourly heat input data can be found in Attachment B Startup/Shutdown Report.

§63.10031(c)(5)(ii)

Include the information required to be monitored, collected, or recorded according to the requirements of §63.10020(e).

- I. Information required in §63.10020(e) can be found in Attachment B Startup/Shutdown Report.

§63.10031(c)(5)(iii)

If you choose to use CEMS for compliance purposes, include hourly average CEMS values and hourly average flow rates. Use units of milligrams per cubic meter for PM CEMS, micrograms per cubic meter for Hg CEMS, and ppmv for HCl, HF, or SO₂ CEMS. Use units of standard cubic meters per hour on a wet basis for flow rates.

- I. The Unit is using an SO₂ and Hg CEMS for compliance purposes. The hourly averages during startup and shutdown periods are found in Attachment B Startup/Shutdown Report.

§63.10031(c)(5)(iv)

If you choose to use a separate sorbent trap measurement system for startup or shutdown reporting periods, include hourly average mercury concentration in terms of micrograms per cubic meter.

- I. The Unit is not using a separate sorbent trap measurement system for startup or shutdown reporting periods.

§63.10031(c)(5)(v)

If you choose to use a PM CPMS, include hourly average operating parameter values in terms of the operating limit, as well as the operating parameter to PM correlation equation.

- I. The Unit is not using a PM CPMS for compliance.

§63.10031(d)

For each excess emissions occurring at an affected source where you are using a CMS to comply with that emission limit or operating limit, you must include the information required in §63.10(e)(3)(v) in the compliance report specified in section (c).

§63.10(e)(3)(v)

All excess emissions and monitoring system performance reports and all summary reports, if required, shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. Written reports of excess emissions or exceedances of process or control system parameters shall include all the information required in paragraphs (c)(5) through (c)(13) of this section, in §63.8(c)(7) and §63.8(c)(8), and in the relevant standard, and they shall contain the name, title, and signature of the responsible official who is certifying the accuracy of the report. When no excess emissions or exceedances of a parameter have occurred, or a CMS has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

§63.10(c)(5)

The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and high-level checks;

- I. CEMS monitor unavailability can be found in Attachment C CEMS Monitor Outage Report.

§63.10(c)(6)

The date and time identifying each period during which the CMS was out of control, as defined in §63.8(c)(7);

- I. CEMS out of control periods can be found in Attachment C CEMS Monitor Outage Report.

§63.10(c)(7)

The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedances, as defined in the relevant standard(s), that occurs during startups, shutdowns, and malfunctions of the affected source;

- I. Excess emissions and monitor exceedances that occurred during startups, shutdowns, and malfunctions can be found in Attachment D Excess Emissions Report.

§63.10(c)(8)

The specific identification (i.e., the date and time of commencement and completion) of each time period of excess emissions and parameter monitoring exceedances, as defined in the relevant standard(s), that occurs during periods other than startups, shutdowns, and malfunctions of the affected source;

- I. Excess emissions and monitor exceedances that occurred during period other than startups, shutdowns, and malfunctions can be found in Attachment D Excess Emissions Report.

§63.10(c)(10)

The nature and cause of any malfunction (if known);

- I. Malfunctions nature and causes can be found in the Attachment D Excess Emission Report.

§63.10(c)(11)

The corrective action taken or preventive measures adopted;

- I. The corrective actions taken or preventive measures adopted as a result of malfunctions can be found in Attachment D Excess Emission Report.

§63.10(c)(12)

The nature of the repairs or adjustments to the CMS that was inoperative or out of control;

- I. The nature of repairs or adjustments to CMS is found in Attachment C CEMS Monitor Outage Report.

§63.10(c)(13)

The total process operating time during the reporting period;

- I. Total process operating time during reporting period can be found in section (H) of Attachment A Summary Report—Gaseous Excess Emission and Continuous Monitoring System Performance.

§63.10031(e)

Each affected source that has obtained a Title V operating permit pursuant to part 70 or part 71 of this chapter must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 8 to this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any emission limit, operating limit, or work practice requirement in this subpart, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. Submission of a compliance report does not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

- I. Any Deviations to emissions limits are identified in Attachment D Excess Emission Report
- II. There are no operating limits associated with compliance to the Mercury and Air Toxics Standards for this Unit.
- III. There were no deviations related to the Work Practice Standard related to Boiler Tune Up requirements.
- IV. CMS were in service during all phases of operation including startup according to the required Work Practice Standard except for periods identified in Attachment C CEMS Monitor Outage Report.
- V. Clean fuel was burned during each startup as required by the Work Practice Standard.

§63.10031(g)

If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded.

- I. Malfunctions during the reporting period are identified in Attachment D Excess Emissions Report

Attachment A

Summary Report—Gaseous Excess Emission and Continuous Monitoring System Performance

§63.10(e) (3) (vi) Summary Report

(A) The company name and address of the affected source;

- I. Huntington Power Plant, 6 miles west of Huntington Utah on Hwy 31
P.O. Box 680
Huntington, Utah 84528

(B) An identification of each hazardous air pollutant monitored at the affected source;

- I. Non-Mercury HAPS metal using a quarterly Filterable particulate matter (PM) stack test as a surrogate to demonstrate compliance
- II. Acid Gases using Sulfur dioxide (SO₂) as a surrogate to demonstrate compliance by an SO₂ continuous emission monitor system (CEMS)
- III. Mercury (Hg), compliance demonstrated by continuous emission monitor system (CEMS)

(C) The beginning and ending dates of the reporting period;

- I. This report covers the reporting period from January 1, 2016 to June 30, 2016.

(D) A brief description of the process units;

- I. Unit 1 is an Electric Utility Steam Generating Unit, designed as a bottom tangentially-fired boiler, designed by Babcock & Wilcox.
- II. Rated Heat Input Capacity (mmBtu/hr) of 4,960 MMBtu/hr.
- III. The unit is equipped with the following add-on controls
 - a. Pulse Jet Fabric Filter (baghouse)
 - b. Wet Flue Gas Desulfurization (wet scrubber)
 - c. LowNOx burner technology, w/Separated overfire air
- IV. Fuels used are bituminous coal and #2 fuel oil for startup fuel when needed.

(E) The emission and operating parameter limitations specified in the relevant standard(s);

- I. Taken from Table 2 to Subpart UUUUU of Part 63 – Emission Limits

Unit 1 is an existing unit in the coal-fired not low rank virgin coal subcategory demonstrating compliance with the following emission limits:

- i. Filterable particulate matter (PM) quarterly stack testing demonstrating compliance with 3.0E-2 lb/MMBtu (0.030 lb/MMBtu) emission limit.

- ii. Sulfur dioxide (SO₂) continuous emission monitor system (CEMS) reporting hourly averages in units of lb/mmBtu, as a surrogate for acid gases demonstrating compliance with a 30 boiler operating day average of 2.0E-1 lb./MMBtu (0.20 lb./mmBtu).
- iii. Mercury (Hg) continuous emission monitor system (CEMS) reporting hourly averages in units of lb/Tbtu demonstrating compliance with a 30 boiler operating day average of 1.2E0 lb./TBtu (1.2 lb./TBtu).

(F) The monitoring equipment manufacturer(s) and model number(s);

Pollutant	Manufacture	Model Number
Sulfur Dioxide (SO ₂)	Thermo	43i
Mercury (Hg)	Thermo	80i
Carbon Dioxide (CO ₂)	Thermo	410i

Note: CO₂ analyzer used as a diluent monitor for calculating Heat Input Based Emission Limits

(G) The date of the latest CMS certification or audit;

CEMS Analyzer	Latest RATA Date	Latest Linearity Date
Sulfur Dioxide (SO ₂)	6/29/2016	5/5/2016
Mercury (Hg)	6/29/2016	5/26/2016
Carbon Dioxide (CO ₂)	6/29/2016	5/5/2016

Note: The SO₂ and CO₂ analyzers were certified for reporting under the Acid Rain Program prior to the initial compliance date of April 16, 2015. The Hg analyzer initial certification was on May 14, 2014.

(H) The total operating time of the affected source during the reporting period;

Operating Period	Hours of Unit Operation
1/1/2016 to 3/31/2016 1st Quarter	1437.7
4/1/2016 to 6/30/2016 2nd Quarter	1516.9
Total Operating time from 1/1/2016 to 6/30/2016	2954.6

- (I) An emission data summary (or similar summary if the owner or operator monitors control system parameters), including the total duration of excess emissions during the reporting period (recorded in minutes for opacity and hours for gases), the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to startup/shutdown, control equipment problems, process problems, other known causes, and other unknown causes;

Excess Emissions Summary	PM	SO₂	Hg
Total Hours of Exceedance	0	0	0
Exceedance percent of total operating hours	0.0	0.0	0.0
Hours during startup and shutdown	0	0	0
Hours during control equipment problems	0	0	0
Hours during process hours	0	0	0
Hours during other know problems	0	0	0
Hours during unknown causes	0	0	0
Emission Limit	0.030	0.20	1.2
Emission Limitation Unit	lb/MMBtu	lb/MMBtu	Lb/TBtu
Emission limitation averaging period	Quarterly Stack Testing	30 boiler operating day	30 boiler operating day

- (J) A CMS performance summary (or similar summary if the owner or operator monitors control system parameters), including the total CMS downtime during the reporting period (recorded in minutes for opacity and hours for gases), the total duration of CMS downtime expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total CMS downtime during the reporting period into periods that are due to monitoring equipment malfunctions, non-monitoring equipment malfunctions, quality assurance/quality control calibrations, other known causes, and other unknown causes;

CMS Performance Summary	SO₂	Hg
Downtime percent of total operating hours	0.30	0.81
Total hour of CMS downtime	9	24
Hours due to monitoring equipment malfunctions	0	5
Hours due to non-monitoring equipment malfunctions	0	0
Hours due to quality assurance/quality control calibrations	0	1
Hours due to other known causes	9	18
Hours due to other unknown causes	0	0

- (K) A description of any changes in CMS, processes, or controls since the last reporting period;

No changes have occurred.

(L) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and

A handwritten signature in black ink, appearing to read "Darrell J. Cunningham", is written over a horizontal line.

Darrell J Cunningham
Responsible Official
Managing Director – Huntington Power Plant

(M) The date of the report.

Date: 7/20/16

Attachment B

Startup/Shutdown Report

§63.10031(c)(5)

For each instance of startup or shutdown:

§63.10031(c)(5)(i)

Include the maximum clean fuel storage capacity and the maximum hourly heat input that can be provided for each clean fuel determined according to the requirements of §63.10032(f).

- I. Total Fuel Oil Storage Capacity for the facility is 210,000 gallons

§63.10032(f)(3)

You must keep records of the determination of the maximum hourly clean fuel heat input and of the hourly clean fuel heat input for each EGU

- I. Maximum Fuel Oil Heat Input is 138,911 BTU/gal
II. Hourly Fuel Oil Heat Input is reported in each startup/shutdown reports below

§63.10031(c)(5)(ii)

Include the information required to be monitored, collected, or recorded according to the requirements of §63.10020(e).

§63.10020(e)

63.10020(e)(1)

During each period of startup, you must record for each EGU:

§63.10020(e)(1)(i)

The date and time that clean fuels being combusted for the purpose of startup begins;

§63.10020(e)(1)(ii)

The quantity and heat input of clean fuel for each hour of startup;

§63.10020(e)(1)(iii)

The electrical load for each hour of startup;

§63.10020(e)(1)(iv)

The date and time that non-clean fuel combustion begins; and

§63.10020(e)(1)(v)

The date and time that clean fuels being combusted for the purpose of startup ends.

- I. Information for Unit startups are found in each startup/shutdown report below

§63.10020(e)(2)

During each period of shutdown, you must record for each EGU:

§63.10020(e)(2)(i)

The date and time that clean fuels being combusted for the purpose of shutdown begins;

§63.10020(e)(2)(ii)

The quantity and heat input of clean fuel for each hour of shutdown;

§63.10020(e)(2)(iii)

The electrical load for each hour of shutdown;

§63.10020(e)(2)(iv)

The date and time that non-clean fuel combustion ends; and

§63.10020(e)(2)(v)

The date and time that clean fuels being combusted for the purpose of shutdown ends.

- I. Information for Unit shutdowns are found in each startup/shutdown report below.

§63.10020(e)(3)

For PM or non-mercury HAP metals work practice monitoring during startup periods, you must monitor and collect data according to this section and the site-specific monitoring plan required by § 63.10011(l).

§63.10020(e)(3)(i)

Except for an EGU that uses PM CEMS or PM CPMS to demonstrate compliance with the PM emissions limit or that has LEE status for filterable PM or total non-Hg HAP metals for non-liquid oil-fired EGUs (or HAP metals emissions for liquid oil-fired EGUs), or individual non-mercury metals CEMS you must:

§63.10020(e)(3)(i)(A)

Record temperature and flow rate of post-combustion (exhaust) gas and amperage of forced draft fan(s) upstream of each filterable PM control device during each hour of startup.

- I. Post Combustion hourly gas temperature and flow rates and force draft fan amps are found in each of the startup/ shutdown reports below.

§63.10020(e)(3)(i)(B)

Record temperature and flow rate of exhaust gas and amperage of induced draft fan(s) downstream of each filterable control device during each hour of startup.

- I. Downstream Baghouse hourly gas temperature and flow rates and induced draft fan amps are found in each of the startup/ shutdown reports below.

§63.10020(e)(3)(i)(C)

For an EGU with an electrostatic precipitator, record the number of fields in service, as well as each field's secondary voltage and secondary current during each hour of startup.

- I. A precipitator is not installed on the Unit.

§63.10020(e)(3)(i)(D)

For an EGU with a fabric filter, record the number of compartments in service, as well as the differential pressure across the baghouse during each hour of startup.

- I. Hourly baghouse data is found in each of the startup/shutdown reports below.

§63.10020(e)(3)(i)(E)

For an EGU with a wet scrubber needed for filterable PM control, record the scrubber liquid to fuel ratio and the differential pressure of the liquid during each hour of startup.

- I. A wet scrubber is installed on the Unit however a baghouse is the PM control device for the unit.

During the reporting period the Unit experienced the following startup/shutdown events (detailed reports are provided for the events that occurred prior to April 6, 2016. Detailed reports are not required for events that occurred after the April 6, 2016 Technical Revisions):

Event Number	Shutdown Date	Startup Date
1	1/29/2016	1/31/2016
2	3/2/2016	4/24/2016
3	5/12/2016	5/16/2016

Detailed startup/shutdown reports follow:

Shutdown

Event # 1

Unit	1
------	---

Total Fuel Oil Storage Capacity (gal)	210000
Maximum Fuel Oil Heat Input (BTU/gal)	138911

	Date	Time*
Date and Time Unit off Line	1/29/2016	13:40
Start of Fuel Oil for Shutdown	1/29/2016	12:32
End of Coal Combustion	1/29/2016	12:59
End of Fuel Oil Combustion	1/29/2016	12:51

Hour *	Shutdown Fuel		Emissions		Load
	Quantity Fuel Oil burned (gals/hr)	Fuel Oil Heat Input (BTU/Hr)	Hg (μ g/scm)	SO2 (ppm)	Unit load (GMWH)
13:00	0	0	0.052	0.9	30

* = Mountain Standard Time

Event # 1

	Date	Time*
Start of Fuel Oil Combustion	1/31/2016	14:23
Start of Coal Combustion	1/31/2016	17:53
End of Fuel Oil Combustion	1/31/2016	18:31
Date and Time Unit on Line	1/31/2016	17:23

Total Fuel Oil Storage Capacity (gal)	210000
Maximum Fuel Oil Heat Input (BTU/gal)**	138911

[illegible]

*=Mountain Standard Time
**=Gross Heating value - fuel log maximum ytd

Shutdown

Event # 2

Unit	1
------	---

Total Fuel Oil Storage Capacity (gal)	210000
Maximum Fuel Oil Heat Input (BTU/gal)	138316

	Date	Time*
Date and Time Unit off Line	3/2/2016	22:14
Start of Fuel Oil for Shutdown	3/2/2016	21:55
End of Coal Combustion	3/2/2016	22:00
End of Fuel Oil Combustion	3/2/2016	22:30

Hour *	Shutdown Fuel		Emissions		Load
	Quantity Fuel Oil burned (gals/hr)	Fuel Oil Heat Input (BTU/Hr)	Hg (µg/scm)	SO2 (ppm)	Unit load (GMWH)
22:00	60	8298960	0.029	1.3	9

* = Mountain Standard Time

Startup

Event # 2

Unit	1
------	---

Start of Fuel Oil Combustion	Date	Time*
Start of Fuel Oil Combustion	4/24/2016	13:04
Start of Coal Combustion	4/25/2016	6:10
End of Fuel Oil Combustion	4/25/2016	11:15
Date and Time Unit on Line	4/25/2016	5:44

(3 oil fires + the final fire)

Total Fuel Oil Storage Capacity (gal)	210000
Maximum Fuel Oil Heat Input (BTU/gal)**	138316

Hour	Startup Fuel			Post Combustion pre Baghouse			Downstream Baghouse			Baghouse			Emissions		Load
	Quantity Fuel Oil burned (gals/hr)	Fuel Oil Heat Input (BTU/Hr)	Temperature (Deg F)	Flow Rate (scmh)	FD Fan Amps (each/avg)	Temperature (Deg F)	Flow Rate (scmh)	ID Fan Amps (avg)	Number of Compartments in Service	Differential Pressure Across the Baghouse (in H ₂ O) (avg)	Hg (µg/scm)	SO ₂ (ppm)			
13:00	123	16948326.25	62	720747	258	79	720747	258	Not Available	Not Available	0.028	0	0		
16:00	7	956336.8758	73	678345	249	96	678345	249	Not Available	Not Available	0.057	0	0		
17:00	0	0	80	695825	247	100	695825	247	Not Available	Not Available	0.045	0	0		
18:00	0	0	89	698816	246	106	698816	247	Not Available	Not Available	0.043	0	0		
19:00	514	71038062.17	97	701209	245	111	701209	246	Not Available	Not Available	0.03	0	0		
20:00	0	0	108	706626	240	118	706626	264	Not Available	Not Available	1.561	57.4	0		
21:00	0	0	111	758328	266	131	758328	365	Not Available	Not Available	0.727	0	0		
22:00	0	0	110	727629	262	133	727629	361	Not Available	Not Available	0.062	0	0		
23:00	642	88798423.27	110	735266	262	133	735266	359	Not Available	Not Available	0.05	0	0		
0:00	1826	252572128.5	127	742833	261	139	742833	355	Not Available	Not Available	0.04	0	0		
1:00	1328	183674930	152	752900	258	156	752900	348	Not Available	Not Available	0.031	0	0		
2:00	842	116399632.4	159	753342	257	164	753342	345	Not Available	Not Available	0.029	0	0		
3:00	1261	174387837.4	157	760396	257	166	760396	345	Not Available	Not Available	0.277	0.1	0		
4:00	1294	178963265.7	152	755399	257	163	755399	346	Not Available	Not Available	0.062	0	0		
5:00	2013	278453128.2	171	830706	263	170	830706	357	Not Available	Not Available	0.46	0.1	2		

**=Mountain Standard Time

***=Gross Heating value - fuel log maximum ytd

Attachment C CEMS Monitor Outage Report

Sulfur Dioxide (SO₂) System Monitor Outage (lb/MMBtu)

Monitor Outage Incident Number	Date	Time Beginning	Time Ending	Hours Involved	Out of Control (Y / N)	Cause*	Corrective * Action
1	1/28/2016	11:00	14:59	4	N	724	b
2	5/20/2016	07:00	08:59	2	N	724	b
3	05/22/2016	17:00	19:59	3	N	724	b

Total duration of monitor downtime 9 hours

Description of Causes/Corrective Actions.

*Cause: 724	Hours due to other known causes
*Corrective Action: b	Maintenance of another monitor required normal sampling to be interrupted. The system was returned to service following the maintenance.

Mercury (Hg) System Monitor Outage (lb/TBtu)

Monitor Outage Incident Number	Date	Time Beginning	Time Ending	Hours Involved	Out of Control (Y / N)	Cause*	Corrective * Action
1	1/28/2016	11:00	14:59	4	N	724	b
2	2/09/2016	10:00	10:59	1	N	723	jj
3	4/24/2016 to 4/25/ 2016	21:00	03:59	7	N	724	a
4	05/17/2016	08:00	09:59	2	Y	721	dd
5	05/20/2016	07:00	08:59	2	N	724	b
6	05/22/2016	17:00	19:59	3	N	724	b
7	06/01/2016	05:00	07:59	3	Y	721	a
8	06/30/2016	13:00	14:59	2	N	724	d

Total duration of monitor downtime 24 hours

See Next Page for description of Causes/Corrective Actions.

Attachment D

Excess Emissions Report

PM Excess Emissions

0.030 lb/MMBtu (Quarterly Stack Testing)

Excess Emission Incident Number	Magnitude of Excess Emissions lb/MMBtu	Date	Time Beginning	Time Ending	Hours Involved	Malfunction Y/N	Cause	Corrective Action

Total time for all excess emissions 0.0 hours

Total time for excess emissions occurring during startup/shutdown or malfunction
0.0 hours

Malfunction reason and corrective /preventive action taken)

No PM Excess Emissions occurred during the reporting period

No PM Malfunction occurred during the reporting period

SO₂ Excess Emissions

0.20 lb/MMBtu (30 Boiler Operating Day Average)

Excess Emission Incident Number	Magnitude of Excess Emissions lb/MMBtu	Date	Time Beginning	Time Ending	Hours Involved	Malfunction Y/N	Cause	Corrective Action

Total time for all excess emissions 0.0 hours

Total time for excess emissions occurring during startup/shutdown or malfunction
0.0 hours

Malfunction reason and corrective /preventive action taken)

No SO₂ Excess Emissions occurred during the reporting period

No SO₂ Malfunction occurred during the reporting period

Hg Excess Emissions

1.2 lb/TBtu (30 Boiler Operating Day Average)

Excess Emission Incident Number	Magnitude of Excess Emissions lb/MMBtu	Date	Time Beginning	Time Ending	Hours Involved	Malfunction Y/N	Cause	Corrective Action

Total time for all excess emissions 0.0 hours

Total time for excess emissions occurring during startup/shutdown or malfunction
0.0 hours

Malfunction reason and corrective /preventive action taken)

No Hg Excess Emissions occurred during the reporting period

No Hg Malfunction occurred during the reporting period